

WHAT IS CLAIMED IS:

1. An image forming apparatus having a developing container for accommodating a developer and a developing member for carrying the developer and being
5 capable of setting a plurality of frequencies of developing bias applied to the developing member, said apparatus comprising:

a sensing member for sensing amount of the developer inside the developing container; and

10 a processing unit for obtaining the amount of developer inside the developing container based upon a detection value from said sensing member;

wherein said processing unit corrects the detection value in accordance with the frequency of
15 the developing bias and the detection value from said sensing member, and obtains the amount of developer based upon the corrected value.

2. The apparatus according to claim 1, wherein a correction value for correcting the detection value is
20 a value corresponding to each frequency of the frequencies of the developing bias.

3. The apparatus according to claim 1, wherein the frequency of the developing bias is set in accordance with the type of printing medium used in image
25 formation.

4. The apparatus according to claim 1, wherein said processing unit obtains the amount of developer by

detecting electrostatic capacity between the developing member and said sensing member.

5. An image forming apparatus having a developing container for accommodating a developer and a
5 developing member for carrying the developer and being capable of setting a plurality of frequencies of developing bias applied to the developing member, said apparatus comprising:

a first sensing member for sensing amount of the
10 developer inside the developing container; and

a second sensing member for sensing amount of the developer inside the developing container; and

a processing unit for obtaining the amount of developer inside the developing container based upon
15 the frequency of the developing bias and a first detection value from said first sensing member or a second detection value from said second sensing member.

6. The apparatus according to claim 5, wherein said processing unit corrects the first detection value and
20 the second correction value in accordance with the frequency of the developing bias, and obtains the amount of developer based upon the corrected values.

7. The apparatus according to claim 6, wherein a correction value for correcting the detection values
25 is a value corresponding to each frequency of the frequencies of the developing bias.

8. The apparatus according to claim 5, wherein said

processing unit corrects the first detection value or the second detection value in accordance with the frequency of the developing bias and the first detection value or the second detection value.

5 9. The apparatus according to claim 5, wherein the frequency of the developing bias is set in accordance with the type of printing medium used in image formation.

10 10. The apparatus according to claim 5, wherein said processing unit obtains the amount of developer by detecting electrostatic capacity between the developing member and said first sensing member or said second sensing member.

15 11. A method of sensing amount of developer in an image forming apparatus having a developing container for accommodating a developer and a developing member for carrying the developer and being capable of setting a plurality of frequencies of developing bias applied to the developing member, said method
20 comprising the steps of:

sensing a detection value from a sensing member for sensing amount of the developer inside the developing container;

25 correcting the detection value in accordance with the frequency of the developing bias and the detection value; and

obtaining the amount of developer inside the

developing container based upon the corrected value.

12. The method according to claim 11, further comprising a step of changing over the correction value for correcting the detection value.

5 13. A method of sensing amount of developer in an image forming apparatus having a developing container for accommodating a developer and a developing member for carrying the developer and being capable of setting a plurality of frequencies of developing bias
10 applied to the developing member, said method comprising the steps of:

sensing a first detection value from a first sensing member for sensing amount of the developer inside the developing container;

15 sensing a second detection value from a second sensing member for sensing amount of the developer inside the developing container; and

obtaining the amount of developer inside the developing container based upon the frequency of the
20 developing bias and the first detection value or the second detection value.

14. The method according to claim 12, further comprising a step of correcting the first detection value or the second detection value in accordance with
25 the developing bias.

15. The method according to claim 13, further comprising a step of changing over the correction

value for correcting the first detection value or the second detection value in accordance with the first detection value or the second detection value.

16. An image forming apparatus having a developing
5 container for accommodating a developer and a developing member for carrying the developer and being capable of setting a plurality of frequencies of developing bias applied to the developing member in accordance with the type of a printing medium used in
10 image formation, said apparatus comprising:

a sensing member for sensing amount of the developer inside the developing container; and

a processing unit for obtaining the amount of developer inside the developing container based upon a
15 detection value from said sensing member;

wherein said processing unit corrects the detection value in accordance with the frequency of the developing bias, and obtains the amount of developer based upon the corrected value.

20 17. The apparatus according to claim 16, wherein a correction value for correcting the detection value is a value corresponding to each frequency of the frequencies of the developing bias.

18. The apparatus according to claim 16, wherein said
25 processing unit obtains the amount of developer by detecting electrostatic capacity between the developing member and said sensing member.

19. A method of sensing amount of developer in an image forming apparatus having a developing container for accommodating a developer and a developing member for carrying the developer and being capable of
- 5 setting a plurality of frequencies of developing bias applied to the developing member in accordance with the type of a printing medium used in image formation, said method comprising the steps of:
- sensing a detection value from a sensing member
- 10 for sensing amount of the developer inside the developing container;
- correcting the detection value in accordance with the frequency of the developing bias; and
- obtaining the amount of developer inside the
- 15 developing container based upon the corrected value.